

ITGS Template for Analyzing News Events, Situations and Scenarios

Questions for Analyzing Social Issues

1. What are the social issues associated with a particular IT development?
2. How did the IT development emerge?
3. Who are the stakeholders- individuals, institutions, societies who initiate and control the IT developments and are affected by them?
4. What are the advantages and disadvantages for the stakeholders?
5. What feasible solutions can be applied to overcome problems?
6. What is the social impact of the IT development on human life? This may include some or all of the following areas: economic, political, cultural, legal, environmental, ergonomic, health and psychological.
7. What are the social impacts on local and global communities?

Questions for Analyzing Ethical Issues

1. What are the ethical issues associated with a particular IT developments?
2. Who is responsible?
3. Who is accountable?
4. What policies, rules or laws apply to this situation?
5. What are the alternative ethical decisions?
6. What are the consequences of these decisions?

Social and Ethical Issues

- 1.1 Reliability
- 1.2 Integrity
- 1.3 Security
- 1.4 Privacy and anonymity
- 1.5 Authenticity
- 1.6 Intellectual property
- 1.7 Equality of access
- 1.8 Control
- 1.9 Globalization and cultural diversity
- 1.10 Policies and standards
- 1.11 People and Machines

Other social and ethical issues

IT Systems in a Social Context

- 2.1 Basics: hardware and software
 - 2.1.1 System Fundamentals
 - 2.1.2 Networks
- 2.2 Applications
 - 2.2.1 Software fundamentals
 - 2.2.2 Databases and spreadsheets
 - 2.2.3 Word processing and desktop publishing
 - 2.2.4 Images, sound and presentations
 - 2.2.5 Modelling and simulations
 - 2.2.6 Tutorials, training and wizards(assistants)
- 2.3 Communication systems
 - 2.3.1 The Internet
 - 2.3.2 Personal and public communications
- 2.4 Integrated systems
 - 2.4.1 Robotics
 - 2.4.2 Artificial Intelligence and expert systems

Areas of Impact

1. Business and Employment
2. Education
3. Health
4. Arts, entertainment and leisure
5. Science and the environment
6. Politics and government

News Event / Situation / Scenario

Description of Who, What, When, Where and How

Social and Ethical Aspects

Issues (both sides) and
Feasible Solutions to Problems (Use guiding questions)

IT Systems in a Social Context

People, Hardware, Software, Networks, Communication
Technologies, Data, Methods and Policies

Stakeholders

Bibliography

Specific Area(s) of Impact

The specific detail of how each area of impact is involved.